



## NJ DEPARTMENT OF TRANSPORTATION

### RESEARCH LIBRARY

### *SELECTED RECENT ACQUISITIONS*

**July - September 2014**

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest. If you would like to see any of these items and there is no link to an online version, please contact the Research Library at [library@dot.state.nj.us](mailto:library@dot.state.nj.us) (Library, DOT) or call 609-530-5289 for these or any other publications.

#### **Administration and Management**

##### **Advancing a Sustainable Highway System: Highlights of FHWA Sustainability Activities /**

John A. Volpe National Transportation Systems Center, Center for Transportation Policy and Planning -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, Office of Natural Environment, Sustainable Transport and Climate Change Team, 2014-06 (FHWA-HEP-14-021), 65 pp.  
[http://www.sustainablehighways.dot.gov/documents/FHWA\\_Sustainability\\_Activities\\_June2014.pdf](http://www.sustainablehighways.dot.gov/documents/FHWA_Sustainability_Activities_June2014.pdf)

##### **Alternative Technical Concepts for Contract Delivery Methods /**

Douglas D. Gransberg, Michael C. Loulakis, and Ghada M. Gad -- Washington, DC : Transportation Research Board, 2014 (NCHRP Synthesis 455), 107 pp.

##### **Assessing Productivity Impacts of Transportation Investments /**

Glen Weisbrod et al. -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 786), 129 pp.

##### **Feasibility and Efficacy of Public Transportation Partnerships - Volume I: Methodology and Findings - Volume II: Case Studies /**

Janice R. Daniel, Hindy Schachter, and Rongfang (Rachel) Liu -- Newark, NJ : New Jersey Institute of Technology, Dept. of Civil and Environmental Engineering ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2014-07 (FHWA-NJ-2014-013), 72 pp., 65 pp., in 2 Volumes  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2014-013-V1.pdf>  
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2014-013-V2.pdf>

##### **King Coal Highway: Model Public-Private Partnership /**

Transportation Research Board -- Washington, DC : TRB, 2014-05 (TR News No. 292 (May-June 2014)), 72 pp.

##### **Nebraska Surface Transportation Program Book: Fiscal Years 2015 - 2020 /**

Nebraska Department of Roads -- Lincoln, NE : NDOR, 2014, 45 pp.  
<http://www.transportation.nebraska.gov/hwy-pgm/2015-2020/2015ProgramWEB.pdf>

### **Performance Management in Practice /**

Transportation Research Board -- Washington, DC : TRB, 2014-07 (TR News No. 293 (July-August 2014)), 56 pp.

### **Performance Measurement and Strategic Management /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2420), 61 pp.

### **Performance-Based Contractor Prequalification as an Alternative to Performance Bonds [TechBrief] /**

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, 2014 (FHWA-HRT-14--035), 4 pp.

### **What Do Americans Think About Federal Tax Options to Support Public Transit, Highways, and Local Streets and Roads? Results from Year Five of a National Survey /**

Asha Weinstein Agrawal and Hilary Nixon -- San Jose, CA : San Jose State University, College of Business, Mineta Transportation Institute ; Sacramento, CA : California Dept. of Transportation, Office of Research, 2014-06 (CA-MTI-14-1328 ; MTI Report 12-36), 118 pp.  
<http://transweb.sjsu.edu/PDFs/research/1328-road-tax-public-opinion-poll-2014.pdf>

## **Aviation**

### **Airport Response to Special Events /**

Lois S. Kramer and Mike Moore -- Washington, DC : Transportation Research Board, 2014 (ACRP Synthesis 57), 137 pp.

### **Airport Terminal Incident Response Planning /**

Don Griffith et al. -- Washington, DC : Transportation Research Board, 2014 (ACRP Report 112), 89 pp., with CD-ROM

### **Best Practices for General Aviation Aircraft Fuel-Tank Sampling /**

Paul Hagerty, Carmine Balascio, and Jonathan Martin -- Washington, DC : Transportation Research Board, 2014 (Research Results Digest 21), 16 pp.

### **Evaluating Impacts of Sustainability Practices on Airport Operations and Maintenance: User's Guide and Research Report /**

Jennifer Salerno, Greg Raiffa, and Carol Lurie -- Washington, DC : Transportation Research Board, 2014 (ACRP Report 110), 136 pp.

### **FAA Faces Significant Barriers to Safely Integrate Unmanned Aircraft Systems into the National Airspace System - Audit Report /**

Matthew E. Hampton -- Washington, DC : U.S. Dept. of Transportation, Office of the Secretary of Transportation, Office of Inspector General, 2014-06 (AV-2014-061), 33 pp.  
<https://www.oig.dot.gov/library-item/31975>

## **FAA Operational and Programmatic Deficiencies Impede Integration of Runway Safety Technologies - Audit Report /**

Matthew E. Hampton -- Washington, DC : U.S. Dept. of Transportation, Office of the Secretary of Transportation, Office of Inspector General, 2014-06 (AV-2014-060), 23 pp.  
<http://www.oig.dot.gov/sites/dot/files/FAA%20Surface%20Surveillance%20Technologies%5E6-26-14.pdf>

## **The Federal Aviation Administration's Approach for Determining Future Air Traffic Controller Staffing Needs /**

Transportation Research Board, Committee for a Study of Federal Aviation Administration Air Traffic Controller Staffing and National Research Council, Division of Behavioral and Social Sciences and Education, Board on Human-Systems Integration -- Washington, DC : TRB, 2014 (Special Report 314), 174 pp.

## **A Guidebook for Airport-Airline Consortia /**

Paul B. Demkovich et al. -- Washington, DC : Transportation Research Board, 2014 (ACRP Report 111), 123 pp.

## **Guidebook for Through-the-Fence Operations /**

Stephanie A.D. Ward et al. -- Washington, DC : Transportation Research Board, 2014 (ACRP Report 114), 177 pp.

## **Guidebook on General Aviation Facility Planning /**

Douglas E. Sander et al. -- Washington, DC : Transportation Research Board, 2014 (ACRP Report 113), 138 pp.

## **Safety Reporting Systems at Airports /**

Joanne M. Landry et al. -- Washington, DC : Transportation Research Board, 2014 (ACRP Synthesis 58), 65 pp.

## **Understanding the Value of Social Media at Airports for Customer Engagement /**

Linda J. Perry et al. -- Washington, DC : Transportation Research Board, 2014 (ACRP Synthesis 56), 157 pp.

## **Bicycles and Pedestrians**

### **Design and Implementation of Pedestrian and Bicycle-Specific Data Collection Methods in Oregon - Final Report /**

Miguel Figlio et al. -- Salem, OR : Oregon Dept. of Transportation, Research Section ; Washington, DC : Federal Highway Administration, 2014-06 (SPR 754), 123 pp.  
[http://www.oregon.gov/ODOT/TD/TP\\_RES/docs/Reports/2014/SPR754\\_Ped\\_and\\_Bicycle.pdf](http://www.oregon.gov/ODOT/TD/TP_RES/docs/Reports/2014/SPR754_Ped_and_Bicycle.pdf)

### **Estimating Bicycling and Walking for Planning and Project Development: A Guidebook /**

J. Richard Kuzmyak et al. -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 770), 151 pp., with CD-ROM

### **Methods for Estimating Bicycling and Walking in Washington State /**

Krista Nordback and Michael Sellinger -- Portland, OR : Portland State University, Oregon Transportation Research and Education Consortium (OTREC) ; Olympia, WA : Washington State Dept. of Transportation, Research Office, 2014-05 (WA-RD 828.1), 76 pp.

<http://www.wsdot.wa.gov/research/reports/fullreports/828.1.pdf>

### **Pedestrian- and Transit-Oriented Design /**

Reid Ewing and Keith Bartholomew et al. -- Washington, DC : Urban Land Institute ; Chicago, IL : American Planning Association, 2013, 118 pp.

### **Recommended Bicycle Lane Widths for Various Roadway Characteristics /**

Darren J. Torbic et al. -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 766), 64 pp.

## **Bridges and Structures**

### **2015 Interim Revisions: AASHTO LRFD Movable Highway Bridge Design Specifications - 2nd Edition - 2007 [Looseleaf] /**

American Association of State Highway and Transportation Officials -- 2nd edition -- Washington, DC : AASHTO, 2014, 6 pp.

### **2015 Interim Revisions: LRFD Guide Specifications for the Design of Pedestrian Bridges - December 2009 [Looseleaf] /**

American Association of State Highway and Transportation Officials, Highways Subcommittee on Bridges and Structures -- Washington, DC : AASHTO, 2014, 6 pp.

### **AASHTO LRFD Bridge Design Specifications - Seventh Edition, 2014 - U.S. Customary Units: Part I: Sections 1-6 [Looseleaf] /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2013 -- 7th edition -- Washington, DC : AASHTO, 2014, various pagings

### **AASHTO LRFD Bridge Design Specifications - Seventh Edition, 2014 - U.S. Customary Units: Part II: Sections 7-Index [Looseleaf] /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Bridges and Structures, 2013 -- 7th edition -- Washington, DC : AASHTO, 2014, various pagings

### **ABCs of Bridge Renewal /**

Transportation Research Board -- Washington, DC : TRB, 2014-01 (TR News No. 290 (January-February 2014)), 64 pp.

### **Accelerated Bridge Construction Utilizing Precast Pier Caps on State Highway 69 Over Turkey Creek, Huerfano County, CO /**

Richard Osmun, Hoang Bui, and Skip Outcalt -- Denver, CO : Colorado Dept. of Transportation, Staff Bridge Branch ; McLean, VA : Federal Highway Administration, Office of Bridge Technology, 2014-07 (CDOT-2014-8), 46 pp. <http://www.coloradodot.info/programs/research/pdfs/2014/abc.pdf/view>

### **Bridge Stormwater Runoff Analysis and Treatment Options /**

Scott Taylor et al. -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 778), various pagings

### **Development of a Family of Ultra-High Performance Concrete Pi-Girders [TechBrief] /**

Turner-Fairbank Highway Research Center -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2014-01 (FHWA-HRT-14-028), 8 pp.

### **Evaluation of Bridge Deck Sealers /**

Yu-chang Liang, Benjamin Gallaher, and Yunping Xi -- Boulder, CO : University of Colorado, Dept. of Civil Engineering ; Denver, CO : Colorado Dept. of Transportation, Applied Research and Innovation Branch, 2014-06 (CDOT-2014-6), 65 pp.

<http://www.coloradodot.info/programs/research/pdfs/2014/sealers.pdf/>

### **Evaluation of Pile Load Tests for Use in Missouri LRFD Guidelines /**

Ronaldo Luna -- Jefferson City, MO : Missouri Dept. of Transportation, Research, Development and Technology, 2014-05 (cmr 14-015), 99 pp.

<http://library.modot.mo.gov/RDT/reports/TRyy1226/cmr14-015.pdf>

### **Innovative Bridge Designs for Rapid Renewal /**

HNTB Corporation et al. -- Washington, DC : Transportation Research Board, 2014 (SHRP 2 Report S2-R04-RR-1), 357 pp. <http://www.trb.org/Main/blurbs/167693.aspx>

### **Modeling Reinforced Concrete Durability /**

Andrea N. Sanchez and Alberto A. Sagues -- Tampa, FL : University of South Florida (USF), Dept. of Civil and Environmental Engineering ; Tallahassee, FL : Florida Dept. of Transportation, 2014-06 (FDOT BDK84-977-09), 73 pp.

[http://www.dot.state.fl.us/research-center/Completed\\_Proj/Summary\\_SMO/FDOT-BDK84-977-09-rpt.pdf](http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_SMO/FDOT-BDK84-977-09-rpt.pdf)

### **Polyurethane Foam Infill for Fiber-Reinforced Polymer (FRP) Bridge Deck Panels /**

Jeffrey S. Volz et al. -- Rolla, MO : Missouri University of Science and Technology ; Jefferson City, MO : Missouri Dept. of Transportation, Construction and Materials, 2014-05 (cmr 14-016), 122 pp.

<http://library.modot.mo.gov/RDT/reports/TRyy1203/cmr14-016.pdf>

### **State Bridge Load Posting Processes and Practices /**

George Hearn -- Washington, DC : Transportation Research Board, 2014 (NCHRP Synthesis 453), 136 pp.

### **Structures 2014 - Volume 1 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2406), 97 pp.

### **Structures 2014 - Volume 2 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2407), 93 pp.

## **Validation and Implementation of Bridge Design Specifications for Barge Impact Loading /**

Gary R. Consolazio, Daniel J. Getter, and George C. Kantrales -- Gainesville, FL : University of Florida, Dept. of Civil and Coastal Engineering ; Tallahassee, FL : Florida Dept. of Transportation, Research Management Center, 2014-07 (FDOT BDK75-977-31 ; 2014/87294), 519 pp.  
[http://www.dot.state.fl.us/research-center/Completed\\_Proj/Summary\\_STR/FDOT-BDK75-977-31-rpt.pdf](http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_STR/FDOT-BDK75-977-31-rpt.pdf)

## **Construction**

### **Construction 2014 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2408), 113 pp.

## **Energy and Environment**

### **Air Quality 2014 - Volume 2 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2428), 86 pp.

### **Applying the Energy Service Company Model to Advance Deployment of Fleet Natural Gas Vehicles and Fueling Infrastructure /**

Matt Frades -- [Washington, DC] : Center for Climate and Energy Solutions (C2ES) ; Arlington, VA : National Association of State Energy Officials, 2014-06, 35 pp.  
[http://www.c2es.org/docUploads/applying\\_esco\\_model\\_ngv.pdf](http://www.c2es.org/docUploads/applying_esco_model_ngv.pdf)

### **Comparison and Testing of Various Noise Wall Materials /**

Deborah S. McAvoy and Ryan Theberge -- Athens, OH : Ohio University, Civil Engineering Dept. ; Columbus, OH : Ohio Dept. of Transportation, Research Section, 2014-06 (FHWA/OH-2014/8), 224 pp.  
[http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/reportsandplans/Reports/2014/Environmental/134697\\_FR.pdf](http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/reportsandplans/Reports/2014/Environmental/134697_FR.pdf)

### **Effects of Natural Gas Vehicles and Fuel Prices on Key Transportation Economic Metrics /**

Kevin Heaslip et al. -- Logan, Utah : Utah State University, Utah Transportation Center ; Olympia, WA : Washington State Dept. of Transportation, Research Office, 2014-06 (WA-RD 829.1), 114 pp.  
<http://www.wsdot.wa.gov/research/reports/fullreports/829.1.pdf>

### **Environment and Sustainability 2014 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2403), 71 pp.

### **Networking Across the Supply Chain: Transportation Innovations in Local and Regional Food Systems /**

Lindsey Day-Farnsworth and Michelle Miller -- La Crosse, WI : Nelson Institute for Environmental Studies ; Center for Integrated Agricultural Systems, 2014-06, 32 pp. <http://www.ams.usda.gov/AMSV1.0/getfile?dDocName=STELPRDC5108089>

### **An Overview of CAFE Credits and Incorporation of the Benefits of On-Board Carbon Capture /**

Brandon Schoettle and Michael Sivak -- Ann Arbor, MI : University of Michigan, Transportation Research Institute ; Sustainable Worldwide Transportation, 2014-05 (UMTRI-2014-15), 25 pp.  
<http://deepblue.lib.umich.edu/bitstream/handle/2027.42/107473/103017.pdf>

### **Preparing High-Quality NEPA Documents for Transportation Projects /**

American Association of State Highway and Transportation Officials, Center for Environmental Excellence -- Washington, DC : AASHTO, 2014-07 (AASHTO Practitioner's Handbook 15), 25 pp.

### **Refueling Behavior of Flexible Fuel Drivers in the Federal Fleet /**

Ryan Daley et al. -- Golden, CO : U.S. Dept. of Energy, Office of Energy Efficiency & Renewable Energy, National Renewable Energy Laboratory (NREL), 2014-05 (NREL/TP-5400-61777), 86 pp.  
[http://www.afdc.energy.gov/uploads/publication/refueling\\_behavior.pdf](http://www.afdc.energy.gov/uploads/publication/refueling_behavior.pdf)

### **Remanufacturing, Repurposing, and Recycling of Post-Vehicle-Application Lithium-Ion Batteries /**

Charles R. Standridge and Lindsay Corneal -- San Jose, CA : San Jose State University, College of Business, Mineta National Transit Research Consortium ; Washington, DC : U.S. Dept. of Transportation, Research & Innovative Technology Administration, 2014-06 (CA-MNTRC-14-1137 ; MNTRC Report 12-20), 70 pp. [http://www.michigan.gov/documents/mdot/RC1604\\_462068\\_7.pdf?20140708092141](http://www.michigan.gov/documents/mdot/RC1604_462068_7.pdf?20140708092141)

### **Transportation Energy Data Book: Edition 33 /**

Stacy C. Davis, Susan W. Diegel, and Robert G. Boundy -- 33rd edition -- Oak Ridge, TN : Oak Ridge National Laboratory ; Washington, DC : U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy, Vehicle Technologies Office, 2014-07 (ORNL-6990 (Edition 33 of ORNL-5198)), various pagings

## **Freight / Goods Movement**

### **Coordinating the Use and Location of Weigh-In-Motion Technology for Kentucky /**

Andrew Martin et al. -- Lexington, KY : University of Kentucky, College of Engineering, Kentucky Transportation Center ; Frankfort, KY : Kentucky Transportation Cabinet, 2014-06 (KTC-14-05/SPR456-13-1F), 56 pp.  
[https://www.engr.uky.edu/ktcnew/files/2014/07/KTC\\_14\\_05\\_SPR\\_-456\\_13\\_1F\\_.pdf](https://www.engr.uky.edu/ktcnew/files/2014/07/KTC_14_05_SPR_-456_13_1F_.pdf)

### **Freight Systems 2014 - Volume 1: Planning, Modeling, and Logistics /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2410), 159 pp.

### **Incorporating Truck Analysis into the Highway Capacity Manual /**

Richard Dowling et al. -- Washington, DC : Transportation Research Board, 2014 (NCFRP Report 31), 144 pp.

### **Making Trucks Count: Innovative Strategies for Obtaining Comprehensive Truck Activity Data /**

Johanna Zmud, Catherine T. Lawson, and Alan Pisarski -- Washington, DC : Transportation Research Board, 2014 (NCFRP Report 29), 95 pp.

## **Highway Design**

### **Design Guidance for Intersection Auxiliary Lanes /**

Kay Fitzpatrick et al. -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 780), 149 pp.

### **Identification and Evaluation of the Cost-Effectiveness of Highway Design Features to Reduce Nonrecurrent Congestion /**

Ingrid B. Potts et al. -- Washington, DC : Transportation Research Board, 2014 (SHRP 2 Report S2-L07-RR-1), 84 pp. <http://www.trb.org/Main/blurbs/169767.aspx>

### **Managing Longitudinal Utility Installations on Controlled Access Highway Right-of-Way /**

Edgar Kraus -- Washington, DC : Transportation Research Board, 2014 (NCHRP Synthesis 462), 59 pp.

### **Operational Effects of Geometrics and Access Management 2014 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2404), 84 pp.

### **Performance-Based Analysis of Geometric Design of Highways and Streets /**

Brian L. Ray et al. -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 785), 121 pp.

### **Permanent Signs Mounted on Median Barriers /**

Eric C. Lohrey -- Washington, DC : Transportation Research Board, 2014 (NCHRP Synthesis 465), 36 pp.

### **Superelevation Criteria for Sharp Horizontal Curves on Steep Grades /**

Darren J. Torbic et al. -- Washington, DC : Transportation Research Board, 2104 (NCHRP Report 774), various pagings

## **History**

### **New Jersey Comprehensive Statewide Historic Preservation Plan, 2013-2019 /**

New Jersey Department of Environmental Protection, Historic Preservation Office -- Trenton, NJ : NJDEP, 2014, 53 pp.  
[http://www.nj.gov/dep/hpo/Index\\_HomePage\\_images\\_links/hpo\\_plan%202013\\_2019/hpoplan2014.pdf](http://www.nj.gov/dep/hpo/Index_HomePage_images_links/hpo_plan%202013_2019/hpoplan2014.pdf)

## **Human Resources**

### **AASHTO 2013 Salary Survey [CD-ROM] /**

Missouri Department of Transportation, Human Resources Division, Compensation Unit -- Washington, DC : American Association of State Highway and Transportation Officials, AASHTO Subcommittee on Human Resources, 2014, 97 pp. <http://ashr.transportation.org/Documents/2013%20Salary%20Survey.pdf>

## **Information Management**

## **Development of Strategic Enterprise Architecture Design for ODOT /**

Robert C. Cooney, Kirt A. Clement, and Keyur V. Shah -- Raleigh, NC : eVision Partners, Inc. ; Columbus, OH : Ohio Dept. of Transportation, Research Section, 2014-01 (FHWA/OH-2014/3), 286 pp.  
[http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/reportsandplans/Reports/2014/Aerial/134756\\_FR.pdf](http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/reportsandplans/Reports/2014/Aerial/134756_FR.pdf)

## **State Open Data Policies and Portals /**

Laura Drees and Daniel Castro -- Washington, DC : Center for Data Innovation, 2014-08, 14 pp.  
<http://www2.datainnovation.org/2014-open-data.pdf>

## **Intelligent Transportation Systems (ITS)**

### **Minnesota Department of Transportation Rural Intersection Conflict Warning System (RICWS) Reliability Evaluation /**

Arvind Menon and Max Donath -- Minneapolis, MN : University of Minnesota, Dept. of Mechanical Engineering ; St. Paul, MN : Minnesota Dept. of Transportation, 2014-06 (CTS 14-07), 14 pp.  
<http://www.its.umn.edu/Publications/ResearchReports/reportdetail.html?id=2364>

## **Landscape and Urban Design**

### **Native Vegetation Establishment for IDOT Erosion Control Best Management Practices /**

Ryan Busby -- Champaign, IL : U.S. Army Construction Engineering Research Laboratory ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2014-05 (FHWA-ICT-14-011), 138 pp. <http://ict.illinois.edu/Publications/report%20files/FHWA-ICT-14-011.pdf>

## **Legal Issues**

### **A Comparative Policy Analysis of Seat Belt Laws /**

Michelle L. Reyes et al. -- Iowa City, IA : University of Iowa, Human Factors and Vehicle Safety Research Division, Public Policy Center ; Ames, IA : Iowa Dept. of Transportation, 2014-06 (RB37-013), 62 pp.  
[http://www.iowadot.gov/research/reports/Year/2014/fullreports/UIowa\\_SeatBeltPolicyAnalysis\\_FinalReport.pdf](http://www.iowadot.gov/research/reports/Year/2014/fullreports/UIowa_SeatBeltPolicyAnalysis_FinalReport.pdf)

### **Illinois Drainage Law Related to Highways and Adjacent Landowners /**

Arthur R. Schmidt, Kexuan Wang, and Reshmina William -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Transportation Center ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2014-07 (FHWA-ICT-14-016), 57 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=3132>

### **Selected Studies in Transportation Law - Volume 1: Construction Contract Law - 2014 Supplement [CD-ROM] /**

Transportation Research Board -- Washington, DC : TRB, 2014 (National Cooperative Highway Research Program Selected Studies in Transportation Law), 563 pp.

## **Marine / Waterways**

### **Making U.S. Ports Resilient as Part of Extended Intermodal Supply Chains /**

Frank Southworth et al. -- Washington, DC : Transportation Research Board, 2014 (NCFRP Report 30), 99 pp.

### **Marine Environment, Marine Safety, and Human Factors 2014 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2426), 53 pp.

### **Marine Transportation, Terminal Operations, and International Trade 2014 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2409), 73 pp.

## **Materials**

### **2014 AASHTO Provisional Standards /**

American Association of State Highway and Transportation Officials, Highway Subcommittee on Materials -- 18th edition -- Washington, DC : AASHTO, 2014, various pagings

### **Case Studies on Successful Utilization of Reclaimed Asphalt Pavement and Recycled Asphalt Shingles in Asphalt Pavements /**

Randy C. West and J. Richard Willis -- Case Studies on Successful Utilization of Reclaimed Asphalt Pavement and Recycled Asphalt Shingles in Asphalt Pavements, 2014-07 (NCAT Report 14-06), 36 pp.  
<http://www.ncat.us/files/reports/2014/rep14-06.pdf>

### **Connecticut Warm Mix Asphalt (WMA) Pilot Projects 2010 and 2011 /**

Scott Zinke, James Mahoney, and Kelly Morison -- Storrs, CT : University of Connecticut, Connecticut Transportation Institute ; Newington, CT : Connecticut Dept. of Transportation, 2014-06 (CT-2269-F-13-14), 82 pp.

### **Degradation Assessment of Internal Continuous Fiber Reinforcement in Concrete Environment /**

Adel ElSafty et al. -- Jacksonville, FL : University of North Florida, School of Engineering ; Tallahassee, FL : State of Florida Dept. of Transportation, 2014-07 (FDOT BDK 82-977-05), 297 pp.  
[http://www.dot.state.fl.us/research-center/Completed\\_Proj/Summary\\_SMO/FDOT-BDK82-977-05-rpt.pdf](http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_SMO/FDOT-BDK82-977-05-rpt.pdf)

### **Effect of Portland Cement (Current ASTM C150/AASHTO M85) with Limestone and Process Addition (ASTM C465/AASHTO M327) on the Performance of Concrete for Pavement and Bridge Decks /**

Mohsen A. Issa -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2014-02 (FHWA-ICT-14-005), 78 pp., plus appendices (260 pp. total) <http://ict.illinois.edu/Publications/report%20files/FHWA-ICT-14-005.pdf>

### **Evaluating Pavement Markings on Portland Cement Concrete (PCC) and Various Asphalt Surfaces: Results of Year 1, 2, 3, and 4 Data Collection /**

Carmin E. Dwyer, William R. Vavrik, and Rachel L. Becker -- Champaign, IL : Applied Research Associates, Inc. ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2013-12 (FHWA-ICT-13-033), 129 pp.  
<http://ict.illinois.edu/Publications/report%20files/FHWA-ICT-13-033.pdf>

**Evaluating the Impacts of Reducing the Number of Hot Mix Asphalt Plant Testing Acceptance Criteria on Mix Variability /**

Eric Jackson and James Mahoney -- Storrs, CT : University of Connecticut, Connecticut Transportation Institute ; Newington, CT : Connecticut Dept. of Transportation, 2012-11 (CT-2263-F-11-9), 20 pp., + appendices

**Evaluation of the Specification for Flat and Elongated Particles for Use in Hot Mix Asphalt in Connecticut - Final Report /**

Scott Zinke et al. -- Storrs, CT : University of Connecticut, Connecticut Transportation Institute ; Newington, CT : Connecticut Dept. of Transportation, 2014-04 (CT-2305-F-13-10), 18 pp.

**An FHWA Special Study: Post-Tensioning Tendon Grout Chloride Thresholds /**

Seong-Kyoung Lee and James Zielske -- Piscataway, NJ : Rutgers University, Center for Advanced Infrastructure and Transportation ; McLean, VA : Federal Highway Administration, Office of Infrastructure Research and Development, 2014-05 (FHWA-HRT-14-039), 196 pp.

**Geomaterials 2014 /**

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2401), 57 pp.

**Hot Mix Asphalt Research Investigation for Connecticut, Part D - Evaluate the Feasibility of Using Permeability for In-place Density Dispute Resolution on Bridge Decks /**

Eric Jackson and James Mahoney -- Storrs, CT : University of Connecticut, Connecticut Transportation Institute ; Newington, CT : Connecticut Dept. of Transportation, 2014-07 (CT-2250-4-13-3), 13 pp.

**Implementation of AIMS in Measuring Aggregate Resistance in Polishing, Abrasion, and Breakage /**

Enad Mahmoud and Eduardo Ortiz -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Materials and Physical Research, 2014-05 (FHWA-ICT-14-014), 59 pp.  
<http://ict.illinois.edu/Publications/report%20files/FHWA-ICT-14-014.pdf>

**Implementation of Slag Stabilized Blended Calcium Sulfate (BCS) in a Pavement Structure /**

Gavin P. Gautreau and Khalil I. Hanifa -- Baton Rouge, LA : Louisiana Transportation Research Center ; Louisiana Dept. of Transportation, 2014-07 (FHWA/LA.13/516), 133 pp.  
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